

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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## Order of Operations

1 )  $((11 + 2) - (12 \div 4)^2)$

6 )  $((5 + 3)^2 \times 5) - 3^2$

2 )  $((11 - 2)^2 \times 5) - 3^2$

7 )  $20 + ((15 - 4) \times 5^2)$

3 )  $(5^2 + (24 \div 3 + 2^2))$

8 )  $((12 + 3) - (16 \div 2)^2)$

4 )  $12 + (4 + (4 + 6)^2)$

9 )  $16 + (2 + (6 + 5)^2)$

5 )  $12 + ((13 - 3) + 4^2)$

10 )  $(6^2 + (14 \div 2 + 2^2))$

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## Order of Operations

$$\begin{aligned}
 1) & ((11 + 2) - (12 \div 4)^2) \\
 & (13 - (3)^2) \\
 & (13 - 9) \\
 & \quad 4
 \end{aligned}$$

$$\begin{aligned}
 2) & ((11 - 2)^2 \times 5) - 3^2 \\
 & (9^2 \times 5) - 3^2 \\
 & (81 \times 5) - 3^2 \\
 & \quad 405 - 3^2 \\
 & \quad 405 - 9 \\
 & \quad 396
 \end{aligned}$$

$$\begin{aligned}
 3) & (5^2 + (24 \div 3 + 2^2)) \\
 & (5^2 + (24 \div 3 + 4)) \\
 & (5^2 + (8 + 4)) \\
 & (5^2 + 12) \\
 & (25 + 12) \\
 & \quad 37
 \end{aligned}$$

$$\begin{aligned}
 4) & 12 + (4 + (4 + 6)^2) \\
 & 12 + (4 + 10^2) \\
 & 12 + (4 + 100) \\
 & 12 + 104 \\
 & \quad 116
 \end{aligned}$$

$$\begin{aligned}
 5) & 12 + ((13 - 3) + 4^2) \\
 & 12 + (10 + 4^2) \\
 & 12 + (10 + 16) \\
 & 12 + 26 \\
 & \quad 38
 \end{aligned}$$

$$\begin{aligned}
 6) & ((5 + 3)^2 \times 5) - 3^2 \\
 & (8^2 \times 5) - 3^2 \\
 & (64 \times 5) - 3^2 \\
 & \quad 320 - 3^2 \\
 & \quad 320 - 9 \\
 & \quad 311
 \end{aligned}$$

$$\begin{aligned}
 7) & 20 + ((15 - 4) \times 5^2) \\
 & 20 + (11 \times 5^2) \\
 & 20 + (11 \times 25) \\
 & 20 + 275 \\
 & \quad 295
 \end{aligned}$$

$$\begin{aligned}
 8) & ((12 + 3) - (16 \div 2)^2) \\
 & (15 - (8)^2) \\
 & (15 - 64) \\
 & \quad -49
 \end{aligned}$$

$$\begin{aligned}
 9) & 16 + (2 + (6 + 5)^2) \\
 & 16 + (2 + 11^2) \\
 & 16 + (2 + 121) \\
 & 16 + 123 \\
 & \quad 139
 \end{aligned}$$

$$\begin{aligned}
 10) & (6^2 + (14 \div 2 + 2^2)) \\
 & (6^2 + (14 \div 2 + 4)) \\
 & (6^2 + (7 + 4)) \\
 & (6^2 + 11) \\
 & (36 + 11) \\
 & \quad 47
 \end{aligned}$$